DataLens! 🔍

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📄 world_happiness_2024.csv 11.6KB ✕

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	Ranking	Country	Regional indicator	Ladder score	GDP per capita	Social support	Healthy life expectancy	Freedom to make life choices	Generosity	Perceptions of co
54	79	Indonesia	Southeast Asia	5,5683	6,36058	0,7326	69	0,90283	0,99602	0,09513
8	126	Bangladesh	South Asia	3,8859	5,23988	0,15414	71	0,89752	0,35025	0,29115
97	100	Nigeria	Sub-Saharan Africa	4,8808	4,86691	0,66531	63	0,65538	0,50252	0,033
107	32	Romania	Central and Eastern Europe	6,4912	7,93747	0,76443	73	0,83	0,10157	0,01098
104	53	Philippines	Southeast Asia	6,0476	5,75533	0,7089	68	0,95708	0,24622	0,23652

✓ Analysis Complete!

Preview Code ⌄

Global Happiness Report: Exploratory Data Analysis

This dashboard provides an exploratory data analysis of the Global Happiness Report dataset. It highlights key performance indicators, summary statistics, and various visualizations to understand the factors contributing to happiness scores across different countries and regions.

1. Key Performance Indicators (KPIs)

Average Ladder Score

5.53

Happiest Country (Ladder Score)

Finland

↑ 7.74

Least Happy Country (Ladder Score)

Afghanistan

↑ 1.72

2. Summary Statistics

Numerical Column Statistics

	Ladder score	GDP per capita	Social support	Healthy life expectancy	Freedom to make life choices	Generosity	Perceptions of corruption
count	140	140	140	140	140	140	140
mean	5.53	6.44	0.7	70.83	0.72	0.37	0.27
std	1.18	1.99	0.21	4.99	0.19	0.18	0.22
min	1.72	0	0	55	0	0	0
25%	4.63	5.03	0.57	67	0.61	0.23	0.12
50%	5.8	6.69	0.77	72	0.74	0.34	0.21
75%	6.43	8.13	0.86	75	0.85	0.48	0.34
max	7.74	10	1	81	1	1	1

Categorical Column Value Counts

Country

	Count	count
0	Afghanistan	1
1	Albania	1
2	Argelia	1
3	Argentina	1
4	Armenia	1
5	Australia	1
6	Austria	1
7	Azerbaijan	1
8	Bangladesh	1
9	Belgium	1

Regional indicator

	Count	count
0	Sub-Saharan Africa	35
1	Western Europe	23
2	Latin America and Caribbean	19
3	Middle East and North Africa	16
4	Central and Eastern Europe	14
5	Southeast Asia	8
6	Commonwealth of Independent States	8
7	East Asia	7
8	South Asia	6
9	North America and ANZ	4

3. Exploratory Data Analysis & Visualizations

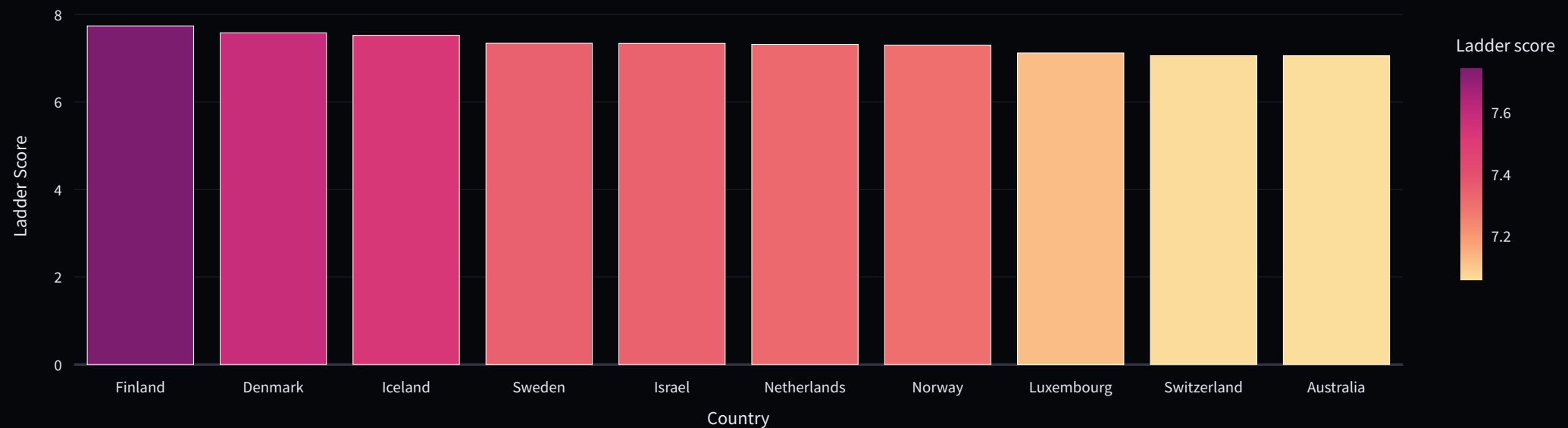## Distribution of Ladder Score

Distribution of Happiness Ladder Score

2	3	4	5	6	7
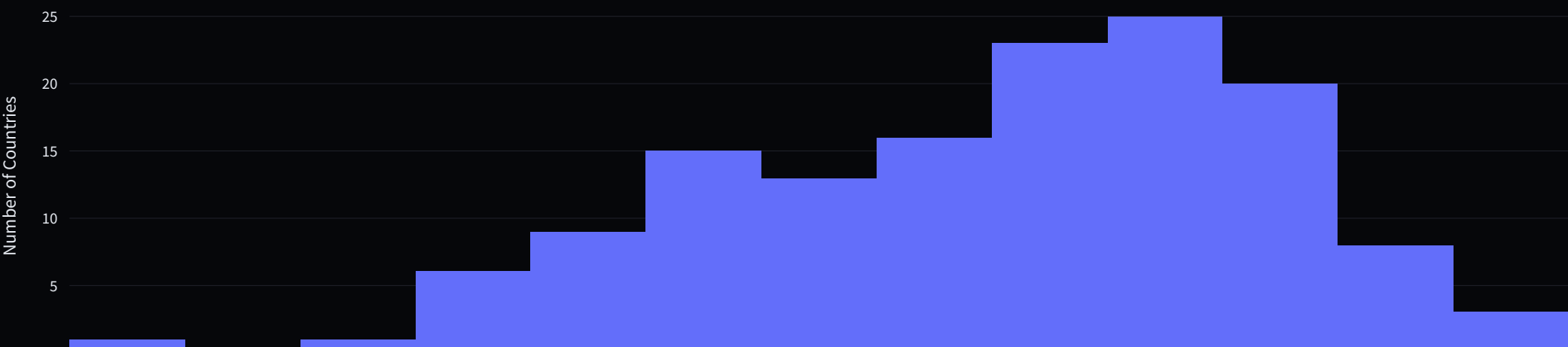
Ladder Score

This histogram shows the frequency distribution of 'Ladder score' across all countries, indicating the common range of happiness scores.

Top 10 Happiest Countries

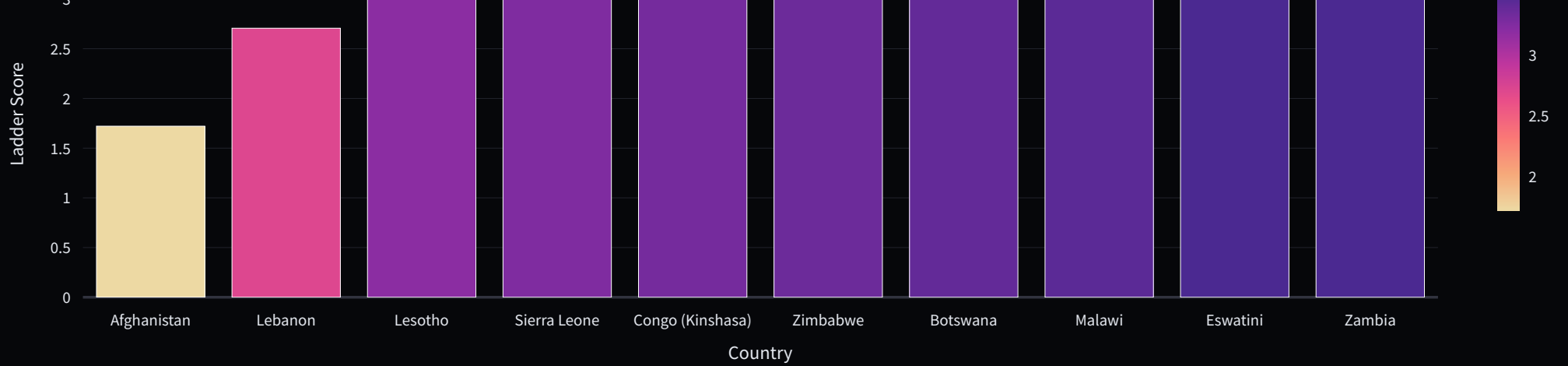**Top 10 Countries by Ladder Score**

This bar chart displays the top 10 countries with the highest 'Ladder score', providing a quick overview of the happiest nations.

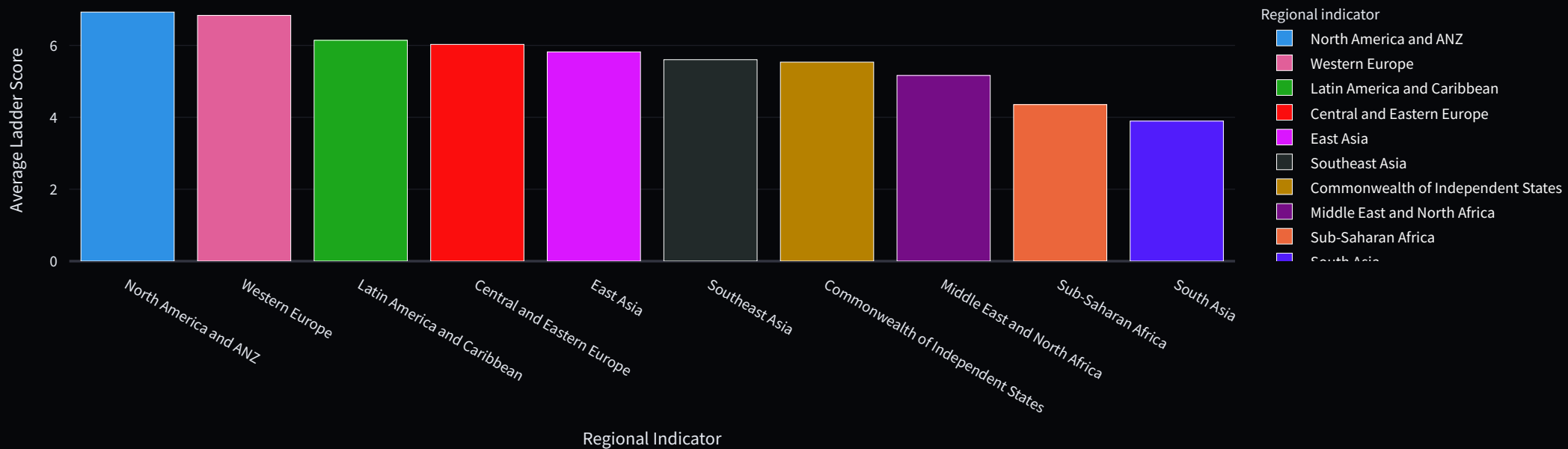## Bottom 10 Countries by Ladder Score

Bottom 10 Countries by Ladder Score

This bar chart illustrates the bottom 10 countries with the lowest 'Ladder score', highlighting nations that might face significant challenges.

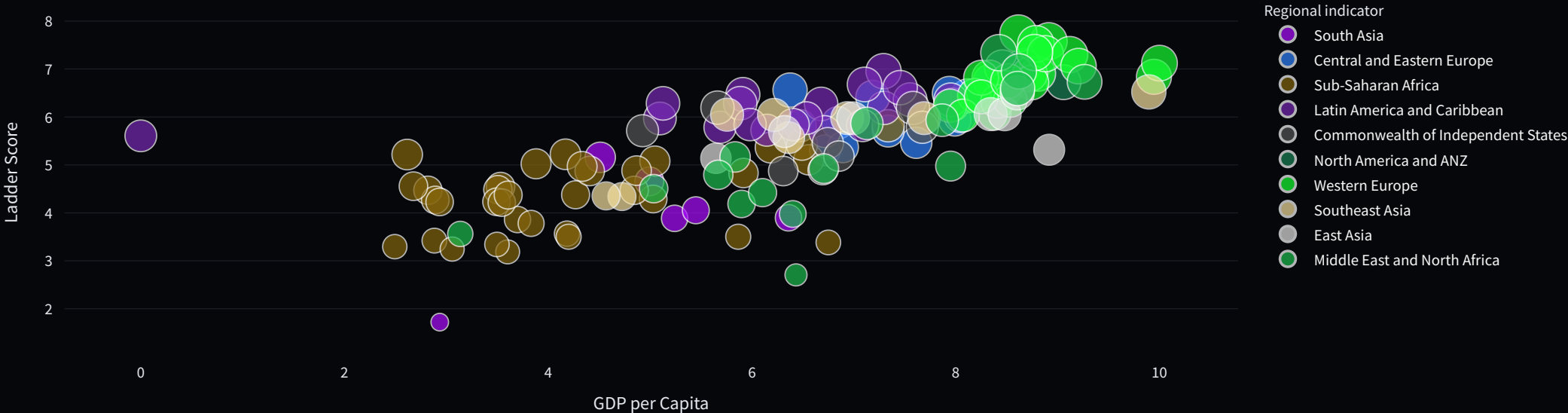## Average Ladder Score by Regional Indicator

Average Ladder Score by Regional Indicator

Regional indicator

- North America and ANZ
- Western Europe
- Latin America and Caribbean
- Central and Eastern Europe
- East Asia
- Southeast Asia
- Commonwealth of Independent States
- Middle East and North Africa
- Sub-Saharan Africa
- South Asia

This bar chart shows the average 'Ladder score' for each 'Regional indicator', revealing regional disparities in happiness levels.

GDP per Capita vs. Ladder Score

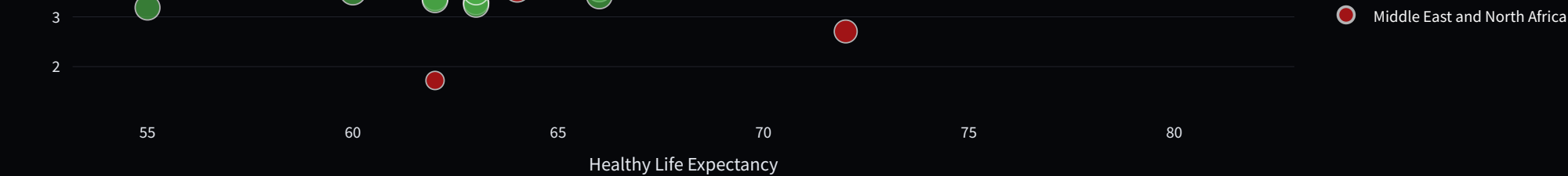**Relationship between GDP per Capita and Ladder Score**

This scatter plot visualizes the relationship between 'GDP per capita' and 'Ladder score', colored by 'Regional indicator'. It helps in understanding if wealthier nations tend to be happier.

Healthy Life Expectancy vs. Ladder Score

Relationship between Healthy Life Expectancy and Ladder Score
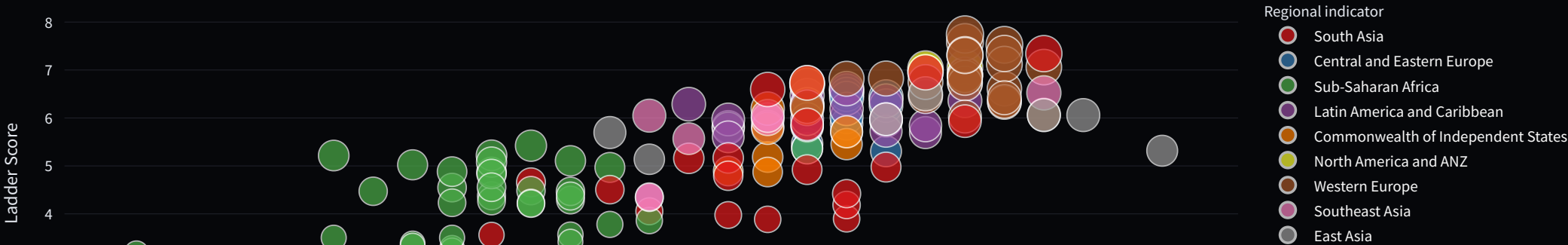
This scatter plot illustrates the correlation between 'Healthy life expectancy' and 'Ladder score', with points colored by 'Regional indicator'. It explores the impact of health on overall happiness.

Distribution of Ladder Score by Regional Indicator

Distribution of Ladder Score Across Regional Indicators

This box plot shows the distribution of 'Ladder score' within each 'Regional indicator', highlighting median, quartiles, and potential outliers.

4. Overall Dashboard: Key Happiness Metrics
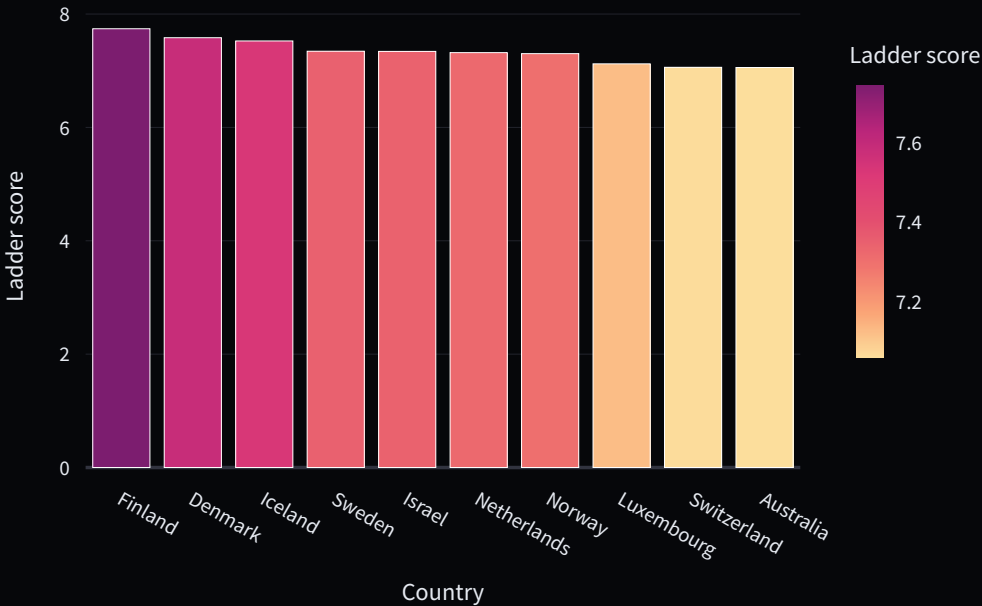
Overall Average Ladder Score	Happiest Country	Least Happy Country
5.53	Finland ↑ 7.74	Afghanistan ↑ 1.72

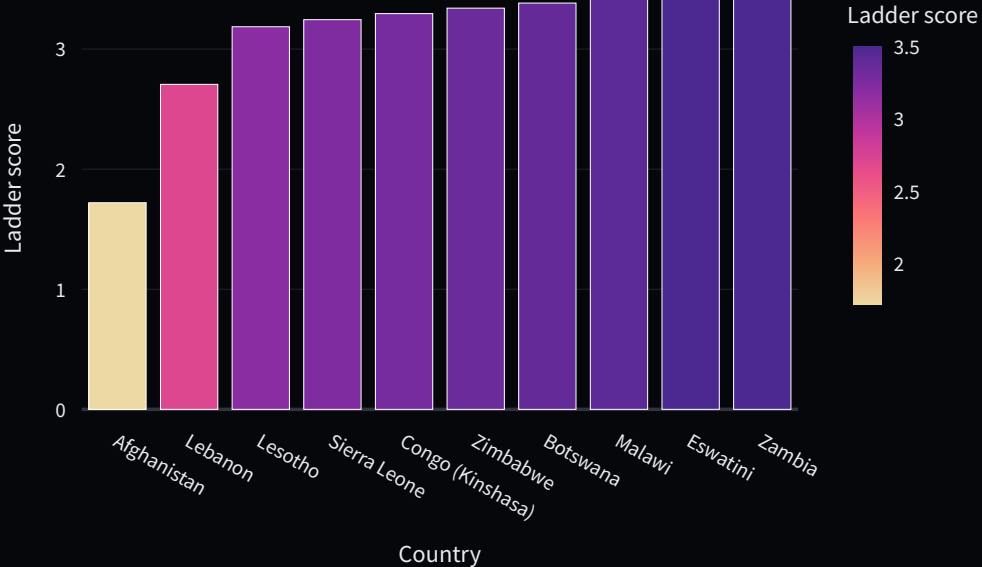## Top 10 Happiest Nations

Top 10 Countries by Ladder Score

The ten nations scoring highest on the happiness ladder.
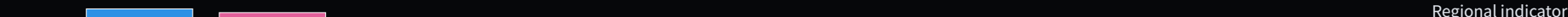
Bottom 10 Happiest Nations
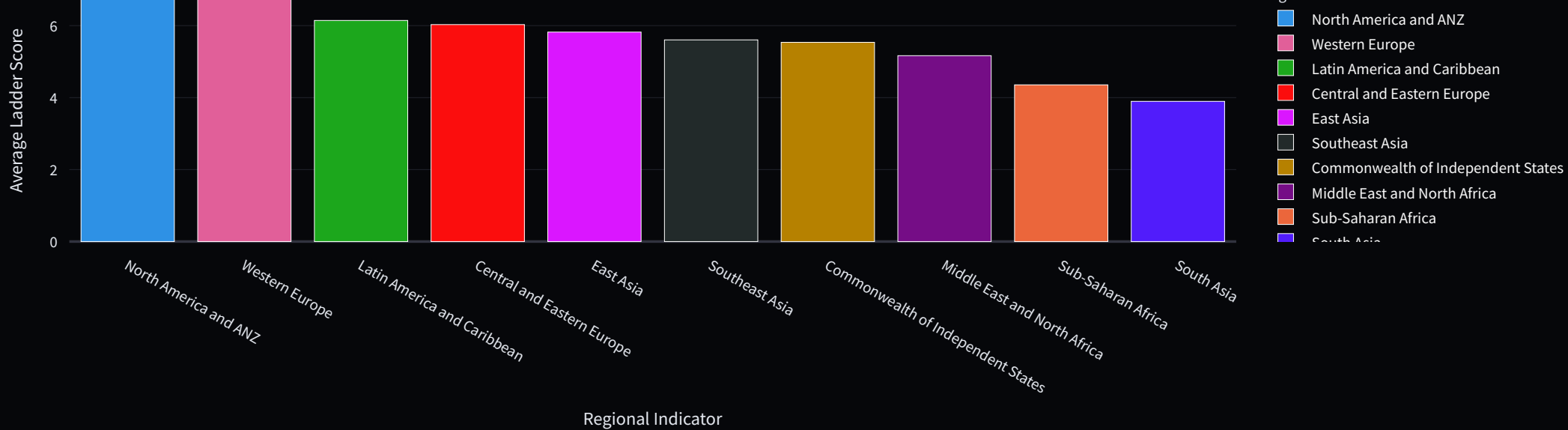
Bottom 10 Countries by Ladder Score

The ten nations scoring lowest on the happiness ladder.

Regional Happiness Overview
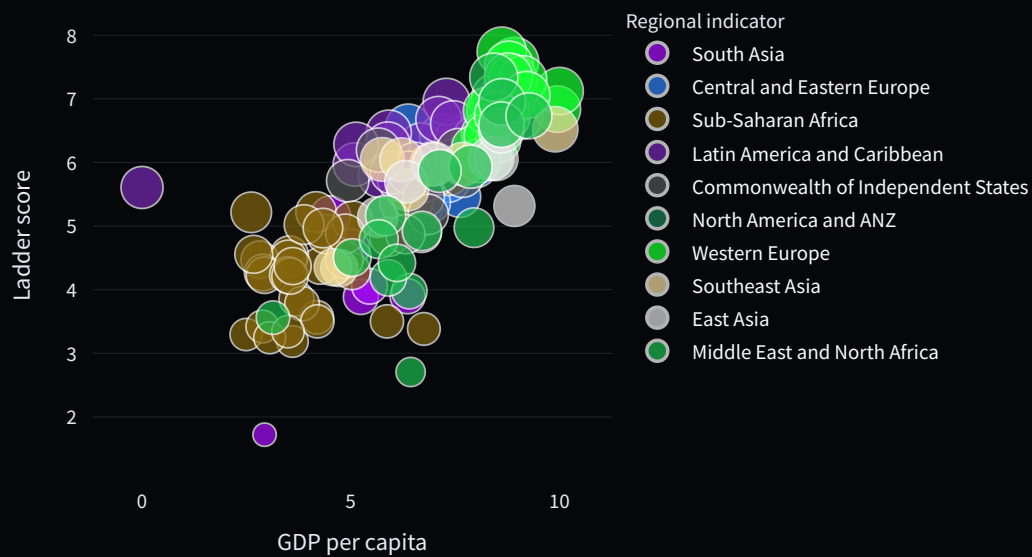
Average Ladder Score by Regional Indicator

Regional indicator

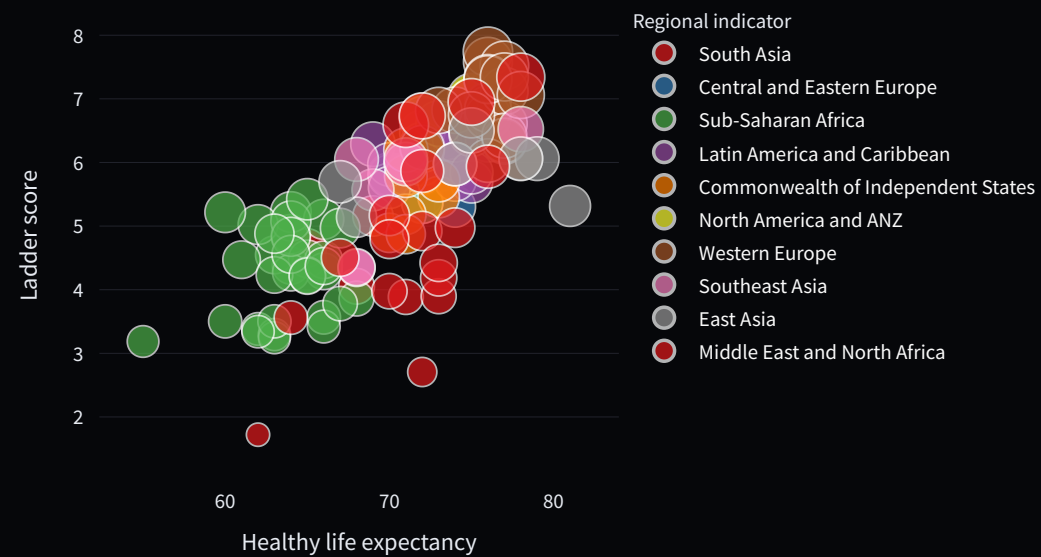Average happiness score across different global regions.

GDP vs. Happiness by Region

GDP per Capita vs. Ladder Score

Health vs. Happiness by Region

Healthy Life Expectancy vs. Ladder Score

5. Insights

Based on the exploratory data analysis of the Global Happiness Report dataset, here are some key insights:

- **Happiness Distribution:** The 'Ladder score' shows a relatively wide distribution, suggesting significant differences in perceived happiness levels across countries. Most countries tend to fall within the mid-range of happiness scores (around 4.5 to 7.0), but with clear extremes at both ends.
- **Economic Influence:** There appears to be a strong positive correlation between 'GDP per capita' and 'Ladder score'. Countries with higher economic prosperity (higher GDP per capita) generally report higher happiness scores. However, the relationship is not perfectly linear, suggesting that other factors contribute significantly to happiness.
- **Health and Well-being:** 'Healthy life expectancy' also exhibits a clear positive association with 'Ladder score'. Nations where citizens live longer and healthier lives tend to perceive themselves as happier, highlighting the crucial role of public health and access to healthcare.
- **Regional Disparities:** Happiness levels vary significantly by 'Regional indicator'. Western European countries, for example, consistently rank high in average 'Ladder score', showcasing a strong regional trend towards higher well-being. In contrast, regions such as Sub-Saharan Africa often show lower average scores, indicating regional challenges that impact happiness.
- **Key Drivers of Happiness:** Beyond GDP and health, factors like 'Social support', 'Freedom to make life choices', 'Generosity', and 'Perceptions of corruption' are integral components of the 'Ladder score'. These socio-political and cultural elements play a vital role in a country's overall happiness, suggesting a holistic approach is needed for improving well-being.
- **Outliers:** The analysis clearly identifies nations at both extremes of the happiness spectrum, with certain countries consistently ranking among the happiest (e.g., in Western Europe) and others consistently among the least happy (often in regions facing significant socio-economic or political challenges). Understanding these outliers can provide targets for focused interventions.

Fix Errors